

said attenuation circuit (118; 218) includes a secondary winding (112; 212) of conductive material, wherein said secondary winding (112; 212) and said primary winding (102; 202) interact with each other through capacitive, inductive, or capacitive and inductive coupling.

2. The remote feeder reactance coil of claim 1 characterized in that said primary and said secondary winding (102; 112; 202; 212) have substantially parallel winding axis, in particular one common winding axis.

4. The remote feeder reactance coil of claim 2 characterized in that the turns (214) of said secondary winding (212) are wound within the turns of said primary winding, below the latter, or outside and on the turns (210) of said primary winding (202).

5. (Amended) The remote feeder reactance coil of claim 1 characterized in that said conductive material of said secondary winding (122; 212) is a material with an ohmic resistance.

6. (Amended) The remote feeder reactance coil of claim 1 characterized in that said attenuation circuit (118; 218) includes an ohmic resistor (116; 216) for connecting the terminals of said secondary winding (112; 212).

7. (Amended) The remote feeder reactance coil of claim 1 characterized in that said attenuation circuit includes a foil or a layer of conductive varnish with an ohmic resistance for connecting the terminals of said secondary winding.

8. (Amended) The remote feeder reactance coil of claim 1 characterized in that said attenuation circuit includes an arrangement of at least one ohmic resistor and one further reactive element for connecting the terminals of said secondary winding.

9. (Amended) The remote feeder reactance coil of claim 1 characterized in that said attenuation circuit (218) includes a terminal which is electrically connected to said primary winding (202).

10. (Amended) The remote feeder reactance coil of claim 1 characterized in that said primary winding (102; 202), said secondary winding (112; 212), or said primary winding and said secondary winding comprise one insulated wire.

Sub 11. (Amended) The remote feeder reactance coil of claim 1 characterized in that said primary winding (102; 202) is spirally wound up onto a core (106; 206) or a tubular body (104; 204).


Sub 7
13. A signal transmission system with signal transmission lines, whose intermediate amplifiers (16) are supplied with electrical energy via said signal transmission lines (14), with remote feeder reactance coils (18, 20) used for this purpose being of the type as claimed in claim 1.

REMARKS

The foregoing amendments are made to eliminate multiple dependent claims which had been present in PCT International Application No. PCT/EP99/10100. It is requested that the filing fee be calculated and the present new application be examined on the basis of the claims as herein amended.

Respectfully submitted,

Schmidt et al.

By 
Darryl W. Shorter
Registration No. 47,942
(215) 568-6400

Volpe and Koenig, P.C.
Suite 400, One Penn Center
1617 John F. Kennedy Boulevard
Philadelphia, PA 19103

DWS/lhc